

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: James E. Dahlberg et al.

Serial No.:

09/941,193

Group No.:

Filed:

08/28/01

Examiner:

Entitled:

Systems For The Detection Of Target Sequences

TRANSMITTAL OF PTO FORM-1449

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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Dated: September 20, 2004

By:

Mary Ellen Waite

Sir or Madam:

The present application is a divisional application of Application Serial No. 09/655,378, now U.S. Patent No. 6,673,616. A PTO Form-1449 containing the references from the 1449 form of the patent application is enclosed for consideration by the Examiner.

A check for \$180.00 is also enclosed pursuant to 37 C.F.R. § 1.17(p) for filing the PTO Form 1449 after three months as set forth in 37 C.F.R. § 1.97(c).

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Dated: September 20, 2004

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MEDLEN & CARROLL, LLP 101 Howard Street, Suite 350 San Francisco, California 94105 608/218-6900

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Vason R. Bond

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FORM PTO-1449 (Modified)

U.S. Department of Commerce Patent and Trademark Office

Attorney Docket No.: FORS-06613

Applicant: DAHLBERG et al.

Serial No.: 09/941,193

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SOUTH STATEMENT BY APPLICANT (USE SOUTH STATEMENT BY APPLICANT

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FORM PTO-1449 (Modified)

EXAMINER:

U.S. Department of Commerce Patent and Trademark Office

Attorney Docket No.: FORS-06613

Serial No.: 09/941,193

Applicant: DAHLBERG et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Stats If Necessary) (37 CFR § 1.98(b))

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FORM PTO-1449 (Modified)

SEP 2.3 2004

U.S. Department of Commerce Patent and Trademark Office

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Several Sheets If Necessary)

Applicant: DAHLBERG et al.

SEP 30 2004

(37 CFR § 1.98(b))

Filing Date: 08/28/01 Group Art Unit:

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Sheet 5 of 6 FORM PTO-1449 U.S. Department of Commerce Serial No.: 09/941,193 Attorney Docket No.: FORS-06613 SEP 2 3 2004 Patent and Trademark Office (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use Several Sheets Processary) Applicant: DAHLBERG et al. SEP 3 () 2004 (Usè Several Sheets) Necessary) Group Art Unit: Filing Date: 08/28/01 (37 CFR § 1.98(b)) **ECH CENTER 1600/2900** OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) Giebel et al., "A Tyrosinase Gene Missense Mutation in Temperature-sensitive Type I Oculocutaneous Albinism," J. Clin. Invest. 87:1119 107 Bouchard et al., "Induction of Pigmentation in Mouse Fibroblasts by Expression of Human Tyrosinase cDNA," J. Exp. Med. 169:2029 108 (1989);Orkin and Kazazian, "The Mutation and Polymorphism of the Human β-Globin Gene and its Surrounding DNA," Annu. Rev. Genet. 18:13 109 (1984): Collins and Weissman, "The Molecular Genetics of Human Hemoglobin," Prog. Nucleic Acid Res. Mol. Biol. 31:315 (1984); 110 Lawn et al., "The Nucleotide Sequence of the Human β-Globin Gene," Cell 21:647 (1980); 111 Orkin and Goff, "Nonsense and Frameshift Mutations in β0-Thalassemia Detected in Cloned β-Globin Genes," J. Biol. Chem. 256:9782 112 (1981);Goldsmith et al., ""Silent" nucleotide substitution in a β*-thalassemia globin gene activates splice site in coding sequence RNA," Proc. Natl. 113 Acad. Sci. USA 80:2318 (1983); Giddings et al., "An adaptive, object oriented strategy for base calling in DNA sequence analysis," Nucl. Acids Res. 21:4530 (1993); 114 Trivedi et al., "Selective Amplification of Simian Immunodeficiency Virus Genotypes after Intrarectal Inoculation of Rhesus Monkeys," 115 Journal of Virology 68:7649 (1994); Nugent et al., "Characterization of the Apurinic Endonuclease Activity of Drosophila Rrpl," Biochemistry, 32:11445 (1993); 116 Bardwell et al., "Specific Cleavage of Model Recombination and Repair Intermediates by the Yeast Rad1-Rad10 DNA Endonuclease," 117 Science 265:2082 (1994); Orkin et al., "Abnormal RNA processing due to the exon mutation of β^{E} -globin gene," Nature, 300:768 (1982); 118 Spritz et al., "Base substitution in an intervening sequence of a β*-thalassemic human globin gene," Proc. Natl. Acad. Sci. USA, 78:2455 119 Baker et al., "Suppression of Human Colorectal Carcinoma Cell Growth by Wild-Type p53," Science 249:912 (1990); 120 Chen et al., "Genetic Mechanisms of Tumor Suppression by the Human p53 Gene," Science 250:1576 (1990); 121 Hollstein et al., "p53 Mutations in Human Cancers," Science 253:49 (1991); 122 Caron de Fromental and Soussi, "TP53 Tumor Suppressor Gene: A Model for Investigating Human Mutagenesis," Genes, Chromosomes 123 and Cancer 4:1 (1992). Inchauspe et al., "Use of Conserved Sequences from Hepatitis C Virus for the Detection of Viral RNA in Infected Sera by Polymerase Chain 124 Reaction," Hepatology 14:595 (1991); Miller et al., "The rpoB Gene of Mycobacterium tuberculosis," Antimicrob. Agents Chemother., 38:805 (1994); 125 Cockerill et al., "Rapid Identification of a Point Mutation of the Mycobacterium tuberculosis Catalase-Peroxidase (katG) Gene Associated 126 with Isoniazid Resistance," J. Infect. Dis. 171:240 (1995); Greisen et al., "PCR Primers and Probes for the 16S rRNA Gene of Most Species of Pathogenic Bacteria, Including Bacterial Found in 127 Cerebrospinal Fluid," J. Clin. Microbiol. 32:335 (1994); Widjojoatmondjo et al., "Rapid Identification of Bacteria by PCR-Single-Strand Conformation Polymorphism," J. Clin. Microbiol. 32:3002 128 129 Maidak et al., "The Ribosomal Database project," Nucleic Acids Res., 22:3485 (1994); McConlogue et al., "Structure-independent DNA amplification by PCR using 7-deaza-2'-deoxyguanosine," Nucleic Acids Res. 16:20 (1988); 130 D.S. Sigman et al., "Chemical Nucleases," Chemical Reviews 93:2295-2316 (1993); 131 T.R. Cech et al., "Secondary Structure of the Tetrahymena Ribosomal RNA intervening sequence, Structural homology with fungal 132 mitochondrial intervening sequences," Proc. Natl. Acad. Sci. USA 80:3903 (1983);

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FORM PTO-1449 U.S. Department of Commerce Attorney Docket No.: FORS-06613 Serial No.: 09/941,193 Patent and Trademark Office (Modified) SEP 2 3 2004 TION DISCLOSURE STATEMENT BY APPLICANT (Use Several Shoets If Necessary) SEP 3 0 2004 Applicant: DAHLBERG et al. INFORMA A E TRANSPORT Filing Date: 08/28/01 Group Art Unit: (37 CFR § 1.98(b)) TECH CENTER 1600/2900 OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication) C.R. Woese et al., "Detailed Analysis of the Higher Order Structure of 16S Like Ribosomal Ribonucleic Acids," Microbiology Reviews 133 47:621 (1983): Hoheisel et al., "On The Activities of Escherichia coli Exonuclease III," Anal. Biochem. 209:238-246 (1993); 134 R. Youil et al., "Screening for Mutations by Enzyme Mismatch Cleavage with T4 Endonuclease VII," Proc. Natl. Acad. Sci. USA (1995); 135 Murphy et al., "Use of the 5' Noncoding Region for Genotyping Hepatitis C Virus," J. Infect. Diseases 169:473 (1994). 136 Takada et al., "HCV genotypes in different countries," Lancet 339:808 (1992). 137 Belkum, "DNA Fingerprinting of Medically Important Microorganisms by Use of PCR," Clin. Microbiol. Rev. 7(2): 174-184 (1994). 138 Wilson et al., "Amplification of Bacterial 16S Ribosomal DNA with Polymerase Chain Reaction," J. Clin. Microbiol. 28(9):1942-1946 139 Bingen et al., "Use of Ribotyping in Epidemiological Surveillance of Nosocomial Outbreaks," Clin. Microbiol. Rev. 7(3):311-327 (1994). 140 Tabor et al., "Effect of Manganese Ions On The Incorporation of Dideoxynucleotides By Bacteriophage T7 DNA Polymerase and Escherichia coli DNA Polymerase I, Proc. Natl. Acad. Sci. USA 86:4076-4080 (1989); 141 Lyamichev et al., "Structure-specific endonucleolytic cleavage of nucleic acids by eubacterial DNA polymerases," Science 260:778-783 142 Seela and Roling, "7deazapurine containing DNA: efficiency of 7-deaza-dGTP, 7-deaza-dATP, and 7-deaza-DITP incorporation during 143 PCR-amplification and protection from endodeoxyribonuclease hydrolysis," Nuc. Acids Res. 20(1)55-61 (1992) Young et al., "Detection of hepatitis C virus RNA by a combined reverse transcription-polymerase chain reaction assay," J. Clin. Microbio. 144 31(4)882-886 (1993)

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